Hydrologic Model Manager

Short Name	PSRM
Long Name	
Description	
Model Type	Kinematic wave hydrologic simulation
Model Objectives	To provide engineers and planners with a hydrologic model which allows runoff estimates of acceptable accuracy with easily available information
Agency _Office	
Tech Contact	Gert Aron, 227 Kimpport Ave, Boalsburg PA 16827
Model Structure	Kinematic wave
Interception	
Groundwater	
Snowmelt	
Precipitation	
Evapo-transpiration	
Infiltration	
Model Paramters	Rainfall, land imperviousness, curve numbers surface roughness
Spatial Scale	
Temporal Scale	
Input Requirements	Rainfall, sub area dimensions, curve numbers runoff path geometry and roughness, pond dimensions
Computer Requirements	IBM-compatible PC, 200k memory
Model Output	Runoff from subareas and out of ponds
Parameter Estimatn Model Calibrtn	Up to model user
Model Testing Verification	Up to model user
Model Sensitivity	Depends on input
Model Reliabiity	In calibration runs, the model produced peaks and volumes within 30% of observed values
Model Application	The model has been used by many municipalities specifically brandy wine watershed, Pennsylvania
Documentation	PSRM manual
Other Comments	
Date of Submission	5/11/2001 7:56:56 AM
Developer	
Technical Contact	
Contact Organization	